

Proposal Full View

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Applicant Information

Organization Name County of Orange *

Tax ID 956000928

Proposal Name South Orange County WMA IRWM Implementation Grant Proposal *

Proposal Objective The South Orange County Watershed Management Area (WMA) IRWM Implementation Grant Proposal proposes to meet the goals of the 2005 Adopted IRWM Plan by implementing the following projects: 1) Municipal Water District of Orange County's (MWDOC) South Orange County Water Smart Landscape Project, 2) The City of Laguna Beach's Rockledge Ocean Protection Project, and 3) Trabuco Canyon Water District's Shadow Rock Detention Basin Project. MWDOC proposes the South Orange County Water Smart Landscape Project to implement a comprehensive landscape improvement program targeting publicly owned and other commercial landscapes properties throughout the South Orange County WMA. The City of Laguna Beach proposes the Rockledge Ocean Protection Project to rebuild clifftop/oceanfront sewer lift station and aging sewer lines. The Trabuco Canyon Water District proposes the Shadow Rock Detention Basin Facility Recovery Project to construct a pump station and modify an existing detention basin to capture dry season runoff for reuse. This proposal focuses on the South Orange County WMA's vision of total watershed efficiency and considers long-term regional planning for flood management; urban runoff management; watershed management; water use efficiency; water supply and reliability; recycled water; habitat protection, water conservation, and restoration; water quality protection and improvement; resource stewardship; and related water resource management strategies facing the Region over the next 20 to 50 years. *

Budget

Other Contribution	\$0.00
Local Contribution	\$2,833,560.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested	\$2,316,780.00 *
Total Project Cost	\$5,150,340.00 *

Geographic Information

Latitude * DD(+/-) 33 MM 0 SS 0

Longitude * DD(+/-) -117 MM 0 SS 0

Longitude/Latitude Clarification Lat 33.548, Long - 117 642 Location

South Orange
County portion of
the San Diego
Regional Water
Quality Control
Board boundary

County Orange *

Ground Water Basin San Juan Valley

Hydrologic Region South Coast

Watershed San Juan Valley Watershed

Legislative Information

Assembly District 70th Assembly District, 71st Assembly District, 73rd Assembly District *

Senate District 33rd Senate District, 35th Senate District, 38th Senate District *

US Congressional District District 42 (CA), District 44 (CA), District 48 (CA) *

Project Information

Project Benefits Information

Project Name South Orange County Water Smart Landscape F

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Use Efficiency - Conservation-Water Demand/Conservation	5040	By renovating non-essential turf with lower water using plant material, it is estimated that 75% of the water applied would be saved. In the south Orange County area, water is applied to turf at 4 acre-feet per year. Saving 75%, or 252 acre-feet per year of this water is the goal of the program.
			Based on the Residential Runoff

Secondary	Watershed Protection-Water Quality Improvement	0	Reduction Study (2004) the project is expected to result in a 50% reduction in dry-weather runoff pollutant load
Tertiary	Sediment Removal-Water Quality Improvement	0	Based on the Residential Runoff Reduction Study (2004) the project is expected to result in a 50% reduction in dry-weather runoff volume.
Quaternary	Management Plans-Conservation	0	Will be measured as a reduction in urban per capita water use. Water savings will assist the region in meeting its SBx 7-7 water savings goal of 20% by 2020.

Budget

Other Contribution	0
Local Contribution	2420000
Federal Contribution	0
Inkind Contribution	0
Amount Requested	1300000
Total Project Cost	3720000

Geographic Information

Latitude DD(+/-)	33	MM 35	SS 25
Longitude DD(+/-)	117	MM 38	SS 15
Longitude/Latitude Clarification	Lat (Center of Regional	Location	Throughout the South O

County	Orange
Ground Water Basin	San Juan Valley
Hydrologic Region	South Coast
WaterShed	Newport Coastal Streams, Laguna Coastal Streams, Aliso Creek, Dana Point Coastal Strea

Legislative Information

Assembly District	70th Assembly District,71st Assembly District,73rd Assembly District
Senate District	33rd Senate District,35th Senate District,38th Senate District
US Congressional District	District 42 (CA),District 44 (CA),District 48 (CA)

Project Information**Project Benefits Information**

Project Name	Shadow Rock Detention Basin Dry Season Rur
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Budget

Other Contribution	0
Local Contribution	185060
Federal Contribution	0
Inkind Contribution	0
Amount Requested	566780
Total Project Cost	751840

Geographic Information

Latitude DD(+/-)	33	MM 0	SS 0
Longitude DD(+/-)	-117	MM 0	SS 0
Longitude/Latitude Clarification	Lat 33.548, Lor	Location	South Orange County portion of the San Diego F

County	Orange
Ground Water Basin	San Juan Valley
Hydrologic Region	South Coast

WaterShed

San Juan Valley Watershed

Legislative Information

Assembly District	70th Assembly District,71st Assembly District,73rd Assembly District
Senate District	33rd Senate District,35th Senate District,38th Senate District
US Congressional District	District 42 (CA),District 44 (CA),District 48 (CA)

Project Information**Project Benefits Information**

Project Name

Rockledge Ocean Protection Project

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Watershed Protection-Water Quality Improvement	0	Reduced bacteria load from sewer spills into receiving waters – water quality monitoring data
Secondary	Other-Impaired water bodies -- improved water body	0	Reduced number of sewer spills to the receiving water body – Sewer spill reporting data
Tertiary	Conveyance-Water Quality Improvement	0	Replacement of ~1200 feet of pipe and lift station pumping and control equipment
Quaternary	Water and Sediment Quality-Other	0	Improved water and sediment quality – water quality monitoring data (under current program)
Quinary	Watershed Protection-Other	0	Reduced number of sewer spills to the receiving water body – Sewer spill reporting data

Budget

Other Contribution	0
Local Contribution	228500
Federal Contribution	0
Inkind Contribution	0
Amount Requested	450000
Total Project Cost	678500

Geographic Information

Latitude DD(+/-)	33	MM 31	SS 20
Longitude DD(+/-)	117	MM 45	SS 56
Longitude/Latitude Clarification	Latitude (of center of p	Location	100 Rockledge Road, La

County	Orange
Ground Water Basin	San Juan Valley
Hydrologic Region	South Coast
WaterShed	Laguna Coastal Streams

Legislative Information

Assembly District	70th Assembly District
Senate District	35th Senate District
US Congressional District	District 48 (CA)

Section : Applicant Information and Question's Tab**APPLICANT INFORMATION AND QUESTION'S TAB****Q1. PROPOSAL DESCRIPTION**

Provide a brief abstract of the Proposal, including a listing of individual project titles or types. Please note which projects, if any, directly address a critical water supply or water quality issue for a DAC or Native American Tribal communities.

The South Orange County Watershed Management Area (WMA) IRWM Implementation Grant Proposal proposes to meet the goals of the 2005 Adopted IRWM Plan by implementing the following projects: 1) Municipal Water District of Orange County's South Orange County Water Smart Landscape Project, 2) The City of Laguna Beach's Rockledge Ocean Protection Project, and 3) Trabuco Canyon Water District's Shadow Rock Detention Basin Project. The Municipal Water District of Orange County (MWDOC) proposes the South Orange County Water Smart Landscape Project. The goal of this project is to implement a comprehensive landscape improvement program targeting publicly owned and other commercial landscapes properties throughout the South Orange County WMA. The Project will: 1) encourage the removal of

non-functional turf; 2) upgrade antiquated irrigation timers to weather-based self-adjusting irrigation timers, and 3) convert high-volume overhead spray irrigation to low-volume irrigation. This will result in achieving water savings, reduction of dry-weather runoff, pollution prevention, and reduced maintenance costs. The City of Laguna Beach proposes the Rockledge Ocean Protection Project as part of the Laguna Beach Urban Runoff Diversion Program. The goal of this project is to rebuild cliff-top/oceanfront sewer lift station and aging sewer lines. The Rockledge sewer station, built more than thirty years ago, represents a significant threat to ocean water quality due to the threat of systems failure and a sewage spill. Polluted sewer water flowing untreated into the ocean impacts all beneficial uses of the Laguna Beach coastline. The project will help meet receiving water objectives established in the Region 9 San Diego Basin plan as well as indicator bacteria objectives established in the Region 9 Beaches and Creeks Bacteria TMDL. The Trabuco Canyon Water District proposes the Shadow Rock Detention Basin Project. The goal of this project is to construct a pump station and modify an existing detention basin to capture dry season runoff for reuse. The project will recover runoff for reuse in recycled water system, design a detention basin for storm water capture with new pump station, remove non-native plant growth, capture runoff from the watershed, convey treated runoff to the recycled water system, and store excess runoff in the lake or divert for use in neighboring recycled water system. This proposal focuses on the South Orange County WMA's vision of total watershed efficiency, including addressing water quality impairments; establishing priorities for water resources needs; integrating water resource solutions across traditional disciplinary bounds; and jointly advocating for policies and funding that assist these goals. This proposal considers long-term regional planning for flood management; urban runoff management; watershed management; water use efficiency; water supply and reliability; recycled water; habitat preservation, conservation, and restoration; water quality protection and improvement; resource stewardship; and related water resource management strategies facing the Region over the next 20 to 50 years.

Q2. PROJECT DIRECTOR

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

MaryAnne Skorpanich Manager, OC Watersheds Maryanne.skorpanich@ocpw.ocgov.com

Q3. PROJECT MANAGEMENT

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Marilyn Thoms Manager, Environmental Engineering Marilyn.thoms@ocpw.ocgov.com

Q4. APPLICANT INFORMATION

Provide the agency name, address, city, state, and zip code of the applicant submitting the application.

OC Watersheds OC Public Works County of Orange 2301 N. Glassell Street Orange, CA 92865-2773

Q5. ADDITIONAL INFORMATION

Provide the funding area(s) in which projects are located.

http://www.water.ca.gov/irwm/integregio_fundingarea.cfm

Southern District

Q6. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD(S)

List the name of the Regional Water Quality Control Board (RWQCB) in which your proposal is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.

http://www.waterboards.ca.gov/waterboards_map.shtml

Region 9 – San Diego Regional Water Quality Control Board

Q7. ELIGIBILITY

Proposition 84 requires a minimum funding match of 25% of total project cost unless there is a DAC project included in the proposal. Requirements for DAC funding match reductions are included in Exhibit G of this PSP. If your matching funds are less than 25%, please explain.

We are providing a minimum funding match of 25% of total project cost.

Q8. ELIGIBILITY

Does the application represent a single application from an IRWM Region approved in the RAP (see Section II.B, Table 1)? If yes, include the name of the IRWM Region. If not, explain.

Yes. South Orange County Watershed Management Area

Q9. ELIGIBILITY

Is the applicant a local agency or non-profit organization as defined in Appendix B of the Grant Guidelines?

a) ☒ Yes

b) ☐ No

Q10. ELIGIBILITY

List the urban water suppliers that will receive funding from the proposed grant. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420. If there are none, so indicate and you do not have to answer Q11 and Q12.

Municipal Water District of Orange County, Trabuco Canyon Water District.

Q11. ELIGIBILITY

Have all of the urban water suppliers, listed in Q10 above, submitted complete 2005 Urban Water Management Plans (UWMP) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP. Will all of the urban water suppliers listed in Q10, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement? If not, explain.

Yes, MWD and TCWD have completed 2005 UWMPs and will submit updated 2010 UWMP before execution of grant agreement.

Q12. ELIGIBILITY

Have any urban water suppliers listed in Q10 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program within the past three months? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section IIIB of the Guidelines for additional information.

"Based on DWR's review of the information in Table 1, MWDOC has and is currently implementing the BMPs consistent with AB 1420 and, therefore, is eligible to receive water management grant or loan funding." Yes, Trabuco Canyon Water District has submitted and complied with the required documents.

Q13. ELIGIBILITY

Does the Proposal include any groundwater management or groundwater recharge projects or projects with potential groundwater impacts? If so, provide the name(s) of the project(s) and list the agency(ies) that will implement the project(s).

No

Q14. ELIGIBILITY

For the agency(ies) listed in Q13, how has the agency complied with CWC §10753 regarding GWMPs, as described in Section III.B of the Grant Guidelines?

N/A

Q15. ELIGIBILITY

Does the IRWM region receive water supplied from the Sacramento-San Joaquin Delta? Please answer yes or no. If no, please explain. If yes, please answer Question 16.

Yes, the Municipal Water District of Orange County (MWDOC) is a wholesale water supplier and resource planning agency that purchases imported water from the Metropolitan Water District of Southern California (Metropolitan) who is a State Water Project Contractor and receives water from the Sacramento-San Joaquin Delta.

Q16. ELIGIBILITY

Does the existing IRWM Plan help reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete Attachment 15.

Yes

Q17. ELIGIBILITY

If an update to the plan takes place in the near future, will the updated plan continue to reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete Attachment 15.

Yes

Section : Application Attachments Tab

APPLICATION ATTACHMENTS TAB

A1. ATTACHMENT 1

Upload Authorization and Eligibility documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att1_IG1_Eligible_1 of 2.doc

Upload additional Authorization and Eligibility documentation here.

Last Uploaded Attachments: Att1_IG1_Eligible_2 of 2.pdf

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

A2. ATTACHMENT 2

Upload Proof of Formal Adoption documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att2_IG1_Adopt_1 of 2.doc

Upload additional Proof of Formal Adoption documentation here.

Last Uploaded Attachments: Att2_IG1_Adopt_2 of 2.pdf

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

A3. ATTACHMENT 3

Upload the Work Plan here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att3_IG1_WorkPlan_1 of 4.pdf

Upload additional work plan components here.

Last Uploaded Attachments: Att3_IG1_WorkPlan_2 of 4.pdf

Upload additional work plan components here.

Last Uploaded Attachments: Att3_IG1_WorkPlan_3 of 4.pdf

Upload additional work plan components here.

Last Uploaded Attachments: Att3_IG1_WorkPlan_4 of 4.pdf

Upload additional work plan components here.

A4. ATTACHMENT 4

Upload the Budget here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att4_IG1_Budget_1 of 2.doc

Upload additional budget components here.
Last Uploaded Attachments: Att4_IG1_Budget_2 of 2.doc

Upload additional budget components here.

Upload additional budget components here.

Upload additional budget components here.

A5. ATTACHMENT 5

Upload the Schedule here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att5_IG1_SCHED_1 of 1.pdf

Upload additional schedule components here.

Upload additional schedule components here.

Upload additional schedule components here.

Upload additional schedule components here.

A6. ATTACHMENT 6

Upload Monitoring, Assessment, and Performance Measures here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att6_IG1_Measures_1 of 1.doc

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

A7. ATTACHMENT 7

Upload Economic Analysis - Water Supply Costs and Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att7_IG1_WSBen_1 of 2.doc

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Last Uploaded Attachments: Att7_IG1_WSBen_2 of 2.pdf

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

A8. ATTACHMENT 8

Upload Water Quality and Other Expected Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att8_IG1_WQOtherBen_1 of 1.doc

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Section : Application Attachments Tab (cont)

APPLICATION ATTACHMENTS TAB (CONT)

A9. ATTACHMENT 9

Upload Economic Analysis - Flood Damage Reduction Costs and Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att9_IG1_DReduc_1 of 1.doc

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

A10. ATTACHMENT 10

Upload Costs and Benefits Summary here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att10_IG1_BSummary_1 of 1.doc

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

A11. ATTACHMENT 11

Upload Program Preference documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att11_IG1_Preference_1 of 1.doc

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

A12. ATTACHMENT 12

Upload Disadvantaged Community Assistance documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att12_IG1_DAC_1 of 1.doc

Upload additional Disadvantaged Community Assistance documentation here.

Upload additional Disadvantaged Community Assistance documentation here.

Upload additional Disadvantaged Community Assistance documentation here.

Upload additional Disadvantaged Community Assistance documentation here.

A13. ATTACHMENT 13

Upload AB 1420 and Water Meter Compliance documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Upload additional AB 1420 and Water Meter Compliance documentation here.

Upload additional AB 1420 and Water Meter Compliance documentation here.

Upload additional AB 1420 and Water Meter Compliance documentation here.

Upload additional AB 1420 and Water Meter Compliance documentation here.

A14. ATTACHMENT 14

Upload Consent Form here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Upload additional Consent Form documentation here.

Upload additional Consent Form documentation here.

Upload additional Consent Form documentation here.

Upload additional Consent Form documentation here.

A15. ATTACHMENT 15

Upload IRWM Plan - Reduce Delta Water Dependence documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin). For the "AttachmentName" in the naming convention of BMS, use "Delta" for this attachment.

Last Uploaded Attachments: Att15_IG1_DeltaWater_1 of 2.doc

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.

Last Uploaded Attachments: Att15_IG1_Deltawater_2 of 2.pdf

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.